

Author Index

- Adamczyk, Z., 157
Ahmadi, G., 189
Ala-Nissila, T., 209
Alava, M., 209
Asikainen, J., 209

Bai, R., 95
Bartelt, M.C., 373
Bhattacharjee, S., 143
Bišćan, J., 115
Borkovec, M., 79
Busnaina, A.A., 3

Chen, J.Y., 143

Eklund, E., 11
Elimelech, M., 143
Evans, J.W., 241, 373

Haataja, M., 209
Hannon, J.B., 373
Hart, S.C., 189
Hays, D., 11

James, E.W., 241

Jullien, R., 405

Kallay, N., 115
Koper, G.J.M., 39

Lenhoff, A.M., 125
Liu, D.-J., 241

Majaniemi, S., 209
Matijević, E., 59
Meakin, P., 405
Mizes, H., 11

Oberholzer, M.R., 125
Ott, M., 11

Percus, J.K., 345
Privman, V., 231
Provatas, N., 209

Quesnel, D.J., 3

Ramsden, J.J., 25
Rička, J., 79
Rimai, D.S., 3

Ryde, N.P., 59

Schaaf, P., 255
Schmid, A.K., 373
Semmler, M., 79
Senger, B., 255
Smolić, T., 115
Soltani, M., 189
Stoldt, C.R., 373
Szyk-Warszyńska, L., 157

Talbot, J., 287
Tarjus, G., 287
Tien, C., 95

Van Tassel, P.R., 287
Viot, P., 287
Voegel, J.-C., 255

Wang, J.-S., 325
Warszyński, P., 157
Weroński, P., 157
Woo Lee, J., 363

Yuan, Y., 125



Subject Index

- Adhesion, 11, 115
Adhesion of particles, 59
Adhesion rate constant, 115
Amidine latex, 79
Arrays, 25
Association, 25
Atomic force, 11
Atomic force microscopy, 79
- Bethe lattice, 345
Binary mixtures, 363
- Car parking, 287
Centrifugal, 11
Charged colloidal particles, 125
Chemisorption, 241
Cobalt, 373
Colloidal films, 39
Colloidal particles, 255
Colloid particle deposition, 157
Colloids, 231
Colloid stability, 115
Computer simulations, 405
Continuum percolation, 209
Convective effects in particle deposition, 157
Copper, 373
- Deposition, 325
Deposition equations, 95
Deposition models, 209
Deposition of particles, 59
Deposition of particles of collectors, 157
Derjaguin's approximation, 0
Desorption, 241
Detachment, 11
Detachment of particles, 59
Diffusion, 241
Diffusional deposition, 79
Dimensionality, 25
Dissociation, 25
DLVO interaction, 0
- Dry particles, 3
- Electrostatic effects, 189
Electrostatic interactions, 79
Epitaxy, 373
Etching, 373
- Fiber networks, 209
Fiber resuspension, 189
- Gaussian model, 345
Granular media, 95
Growth, 373
- Hydrodynamic effects in colloid deposition, 157
- Interaction energy, 115
Ionic strength, 125
Irreversible deposition processes, 255
Irreversible random sequential adsorption, 363
Iso-electric point, 115
- Lattice site, 325
Line segments, 363
Low-energy electron microscopy, 373
Low-index single crystal surfaces, 373
- Mean spherical model, 345
Microscopy, 11
Models of non-equilibrium phenomena, 373
- Nanometer to micrometer size, 3
Next neighbor exclusion, 345
Nonequilibrium dynamical models, 231
Non-uniform flux, 345
Nucleation, 373
Numerical solution, 95
- Optical properties, 39
Oxygen, 373

- Packed column technique, 59
- Paper structure, 209
- Particle, 11
- Particle adhesion, 3
- Particle deposition, 0, 95
- Particle relaxation, 325
- Point of zero charge, 115
- Polydispersity, 79
- Protein, 25
- Protein adsorption, 287

- Quantum field representation, 345

- Random deposition, 405
- Random sequential adsorption, 79, 125, 231, 241, 325, 345
- Relaxation, 241
- Removal of adhered particles, 59

- Ruthenium, 373

- Scanning angle reflectometry, 39
- Scanning tunneling microscopy, 373
- Sequential adsorption processes, 287
- Silicon, 373
- Silicone nitride, 115
- Solid substrates, 255
- Spatial correlations, 209
- Spheroidal particle, 0
- Steepest descent ballistic deposition, 405
- Surface element integration, 0
- Surface interactions, 95

- Transient behavior, 95
- Turbulent boundary layer, 189

- Xerography, 11

